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**Subject:** Bayou Corne Natural Gas Seep-Activities conducted Sunday, September 23, 2012 from 0800 hrs to 1330 hrs  
**Date:** 09/23/2012 04:33 PM

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Activities Performed by EPA START personnel on Sunday, September 23, 2012 from 0800 to 1330 hrs included the following:

- 24/7 air monitoring/oversight continued at the Bayou Corne drilling site. Duties included review of facility's real-time monitoring data with the facility/contractor personnel, review of alarm readings and also calibration and maintenance records for the facility's air monitoring instruments, and hand-held air monitoring at 9 monitoring points. Parameters monitored included CO, H<sub>2</sub>S, VOCs, LEL, and O<sub>2</sub>. All readings were below the low action levels and within normal O<sub>2</sub> levels. All hand-held air monitoring was conducted using a MultiRae air monitoring instrument.
- EPA START completed a total of 3 rounds of hand-held air monitoring at the monitoring points with the following exceptions: Access to monitoring stations 5 and 6 was restricted for safety reasons due to drilling and flare off activities. Air monitoring readings are currently suspended at stations 5 and 6 and will not be resumed until further notice from LDEQ and Texas Brine. Texas Brine indicated that air monitoring activities at stations 5 and 6 will require personnel to don fire resistant coveralls.
- At 1300 the air monitoring crew was instructed by Weston's Robert Sherman that LDEQ IC Terry Dedon indicated that LDEQ's air monitoring activities were now suspended. Texas Brine has evaluated the salt dome cavern, and it currently appears that cavern conditions are stable. The air monitoring crew packed up and demobilized from the Texas Brine facility at 1330. Terry has asked that Weston remain "on standby" to return if the situation changes.
- Facility contractor, Sage Environmental, recorded similar air monitor readings with all results below the lower action levels and within normal O<sub>2</sub> levels with the following exception. Their air monitor at the well head spiked at 174 ppm around 0840 during a flare off but the spike quickly dropped off to 0-2 ppm within a minute. All other parameters remained at "0" and oxygen at 20.9 percent at the well head during this event. No further spiked readings were recorded by Sage at the well head.
- No additional problems or issues were encountered.

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